

**IN THE UNITED STATES ELECTED OFFICE OF
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UNDER THE PATENT COOPERATION TREATY - CHAPTER II**

**INFORMATION DISCLOSURE STATEMENT
According to 37 C.F.R. §1.97(B)**

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APPLICANTS: Christian Paulus and Meinrad Schienle

ATTORNEY

DOCKET NO.: P05,0347

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SERIAL NO.: 10/551,865

EXAMINER:

FILING DATE: October 3, 2005

ART UNIT:

INTERNATIONAL APPLICATION NO.: PCT/DE2004/000690

INTERNATIONAL FILING DATE: 2 April 2004

INVENTION: Operating Circuit for a Biosensor Arrangement

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Mail Stop PCT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

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S I R:

In accordance with the provisions of 37 C.F.R. §1.56 and the requirements of 37 C.F.R. §1.98, Applicant respectfully requests that a citation and examination of the references identified on the attached

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PTO/SB/08 form be made during the course of examination of the above-identified application for United States Patent.

The present Information Disclosure Statement is being filed according to 37 C.F.R. §1.97(b) and before the latter occurrence of:

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- (1) three months from the filing date of a national application;
- (2) three months from the date of entry of the national stage as set forth in 37 C.F.R. 1.491 in an international application; or
- (3) the mailing date of a first Office Action on the merits.

REMARKS

The attached PTO/SB/08 form lists related art references for the above identified application. In accordance with 37 C.F.R. §1.98(a)(2)(ii), no copies of the U.S. patent documents are being supplied herewith, but will be provided upon request.


EXPLANATION OF RELEVANCE

References AD-AF and AM were cited during the prosecution of the priority application. References AG-AI and AN were cited in the International Search Report. The relevance of references AJ-AM was discussed in the Specification. References AA, AB, and AC are U.S. patent documents corresponding with German-language patent documents AD, AF, and AG respectively. An English-language abstract has been provided for references AE, AH, and AI, and a full translation of these references will be produced at the request of the Examiner. References AA-AC and AJ-AN are in English, so no further commentary on their teaching is required.

The filing of the present Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed as an admission that the information cited in the present Information Disclosure Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

The above citation of related art is not a representation that such art constitutes a complete or exhaustive listing of all pertinent related art, nor that it necessarily includes the closest or most relevant art. The aforementioned citation comprises a voluntary citation of related art of which applicant and his attorney are presently aware and is not intended to serve as a substitute for the Examiner's own search.

Submitted by,

 (Reg. No. 45,877)
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CUSTOMER NUMBER 26574

Complete if Known

(Use as many sheets as necessary)

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| Sheet | 1 | of | 2 |
|-------|---|----|---|

| | |
|------------------------|-----------------|
| Application Number | 10/551,865 |
| Filing Date | October 3, 2005 |
| First Named Inventor | Paulus et al |
| Art Unit | |
| Examiner Name | |
| Attorney Docket Number | P05.0347 |

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|-----------------------|---|------------------|---|---|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
| | | Country Code ³ *Number ⁴ *Kind Code ⁵ (if known) | MM-DD-YYYY | | | |
| 13 | AD | DE 693 30 045 T2 | 03/03/1994 | Graetzel | | See AA |
| 14 | AE | DE 199 16 921 A1 | 10/19/2000 | Bernt et al | | Abst |
| 15 | AF | DE 100 58 397 A1 | 06/06/2002 | Gumbrecht et al | | See AB |
| 16 | AG | WO 02/33397 A1 | 04/25/2002 | Frey et al | | See AC |
| 17 | AH | DE 39 31 235 A1 | 03/28/1991 | Liaw et al | | Abst |
| 18 | AI | JP 11064271 | 03/05/1999 | Nagoyashi | | Abst |

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|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

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|-------------------------------|-----------------------------|-----------------|
| Sheet 2 of 2 | Application Number | 10/551,865 |
| | Filing Date | October 3, 2005 |
| | First Named Inventor | Paulus et al |
| | Art Unit | |
| | Examiner Name | |
| Attorney Docket Number | | P05,0347 |

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|--------------------|-----------------------|---|----------------|
| S | AJ | Hintsche et al, Microelectrode arrays and application to biosensing devices, Biosensors & Bioelectronics, Vol. 9, 1994, pp. 697-705 | |
| S | AK | Hintsche et al, Microbiosensors using electrodes made in Si-technology, Frontiers in Biosensorics, Fundamental Aspects, 1997, pp. 267-283 | |
| S | AL | Thewes et al, Sensor Arrays for Fully-Electronic DNA Detection on CMOS, ISSCC 2002/Session 21/TD: Sensors and Microsystems/21.2 | |
| S P | AM | Hofmann et al, Passive DNA Sensor with Gold Electrodes Fabricated in a CMOS Backend Process, Proc. ESSDERC 2002, pp. 487-490. | |
| I | AN | 32nd European Solid-State Device Research Conference, Florenz (IT), Session D24.3: Biosensors and Microfluidics, 09/26/2002, XP0022922063 | |
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| Examiner Signature | | Date Considered | |
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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